

[54] VAULTED INTRAOCULAR LENS

[75] Inventors: Anthony F. Drake; Fernard J. Masse; Dennis T. Grendahl, all of Santa Barbara, Calif.

[73] Assignee: Surgidev Corporation, Goleta, Calif.

[21] Appl. No.: 500,766

[22] Filed: Jun. 3, 1983

[51] Int. Cl.<sup>4</sup> ..... A61F 1/16; A61F 1/24; B29D 11/00

[52] U.S. Cl. .... 623/6; 264/1.7; 264/2.7; 264/339; 425/392; 425/808

[58] Field of Search ..... 3/13; 264/1.7, 2.7, 264/339; 425/808, 392

[56] References Cited

U.S. PATENT DOCUMENTS

3,418,978	12/1968	Wise et al. ....	425/808 X
3,475,521	10/1969	Stroop .....	264/1.7 X
4,150,471	4/1979	Richards et al. ....	264/1.7 X
4,159,546	7/1979	Shearing .....	3/13
4,426,741	1/1984	Bittner .....	3/13
4,474,355	10/1984	Greshes .....	425/808 X

OTHER PUBLICATIONS

"Planned Extracapsular Cataract Extraction and the Insertion of the Lindstrom Centrex Style 20 Posterior Chamber Lens", by R. L. Lindstrom, Copyright 1981 (Paper), pp. 1-11.

Style 115 Shepard Universal A/C IOL, "One-Size-Fit-

s-All", Advertisement, Americal IOL International, 15542 Graham St., Huntington Beach, CA 92647, 1 page, Dec. 29, 1981.

Model AC/PC-55 Anterior/Posterior Chamber (Pannu), Advertisement, American Medical Optics (4 pages), Jan. 1982.

Primary Examiner—Ronald L. Frinks

Attorney, Agent, or Firm—Hugh D. Jaeger

[57] ABSTRACT

Vaulted intraocular lens including a method and apparatus for vaulting universally an intraocular lens incorporating any geometrical configuration of closed or open loops attached to a lens such as a plano-convex or the like. The vaulted intraocular lens includes a base for each loop with either flat feet or flipped feet. The method of vaulting includes a fixture assembly including a base, a retainer, and a cap, the base and retainer screwing together and encompassing the lens including the plurality of loops, and the cap fitting down through a hole in the retainer providing gravity pressure against the lens and creating the vault. The vaulted lens, as well as the fixture and method of vaulting the lens, lends itself universally to any type of lens using any predetermined geometrically shaped loops, whether the loops be closed loops or open loops.

6 Claims, 10 Drawing Figures

